



EFFICIENT HPC DEVELOPMENT AND PRODUCTION WITH ALLINEA TOOLS

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IT4Innovations National Supercomputing Center
Studentská 6231/1B, 708 33, training room 207

LECTURER

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Today's ever advancing technology platforms offer huge potential for completing faster and more advanced work but missing the vital warning signs of inefficient code behaviour will hinder your performance at any scale. [Alinea tools](#) are designed to help you get to the root causes of system crashes and bottlenecks quickly and in this workshop we will provide hands-on user advice for developing more robust code efficiently on Salomon. The session will also demonstrate the use of the tools for getting the most out of the cluster by easily identifying your biggest priorities for optimization across commonly occurring crash, memory and workload balance issues.

Course agenda:

09:30	10:00	Registration
10:00	10:30	Introduction and how to use Alinea tools on Salomon
10:30	11:00	Maximize application crash
11:00	12:00	Fix an application efficiency
12:00	13:00	Lunch break
13:00	14:00	Optimize memory accesses
14:00	14:45	Detect memory leaks
14:45	15:00	Coffee break
15:00	15:45	Resolve workload imbalances
15:45	16:00	Wrap-up and Q&A session



More information and registration
<https://training.it4i.cz/en/Alinea-04-2017>